

Claims:

- 5 1. Aqueous disinfecting and cleaning composition in a concentrated form which exhibits reduced irritancy which comprises,
a disinfecting effective amount of a quaternary ammonium compound having germicidal properties;
a mitigating effective amount of at least one nonionic surfactant selected from
10 alkylpolyglycoside compounds;
0.1 - 10%wt. of a nonionic surfactant;
0 - 3%wt. of a polymeric cationic surfactant based on a polyquaternary ammonium salt;
0 - 3%wt. of a builder 0 - 5%wt. of one or more conventional additives particularly coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents
15 such as thickeners, pH adjusting agents and pH buffers including organic and inorganic salts; and,
water to form 100%wt. of the concentrate form of the inventive compositions.
- 20 2. ~~An aqueous disinfecting and cleaning composition according to claim 1 wherein the quaternary ammonium compound having germicidal properties is present in an amount of from about 0.001 - 5% wt.~~
- 25 3. ~~An aqueous disinfecting and cleaning composition according to claim 1 wherein the at least one further nonionic surfactant is present in an amount of from about at 0.1 - 8%wt.~~
- 30 4. An aqueous disinfecting and cleaning composition according to claim 3 wherein the at least one further nonionic surfactant is an alkoxylated primary alcohol.

5. An aqueous disinfecting and cleaning composition according to claim 3 wherein the at least one further nonionic surfactant is a polymeric alkylene oxide block copolymer.

6. An aqueous composition which comprises 1 part of the aqueous disinfecting and cleaning concentrate composition according to claim 1 per 10 to 64 parts water.

7. Aqueous disinfecting and cleaning composition in a concentrated form which exhibits reduced irritancy according to claim 1 which comprises:
a disinfecting effective amount of a quaternary ammonium compound having germicidal properties;
a mitigating effective amount of a binary surfactant system which comprises both
(a) at least one nonionic surfactant selected from alkylpolyglycoside compounds, with (b) at least one further nonionic surfactant compound which is based on a polymeric alkylene oxide block copolymer;
0.1 - 10%wt. of at least one further nonionic surfactant;
0 - 3%wt. of a polymeric cationic surfactant based on a polyquaternary ammonium salt;
0 - 3%wt. of a builder;
0 - 5%wt. of one or more conventional additives particularly coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents such as thickeners, pH adjusting agents and pH buffers including organic and inorganic salts; and,
water to form 100%wt. of the concentrate form of the inventive compositions.

8. An aqueous disinfecting and cleaning composition according to claim 7 wherein the quaternary ammonium compound having germicidal properties is present in an amount of from about 0.001 - 5% wt.

9. An aqueous disinfecting and cleaning composition according to claim 7 wherein the binary surfactant system is present in an amount of from 0.1 - 10%wt.

10. An aqueous disinfecting and cleaning composition according to claim 7 which comprises at least one further nonionic surfactant.

11. An aqueous disinfecting and cleaning composition according to claim 10 wherein the at least one further nonionic surfactant is an alkoxylated primary alcohol.

12. An aqueous composition which comprises 1 part of the aqueous disinfecting and cleaning concentrate composition according to claim 7 per 10 to 64 parts water.

13. A process for cleaning and/or disinfecting of hard surfaces which comprises the step of:
applying an effective amount of a composition according to claim 1 to the surface.

14. A process for cleaning and/or disinfecting of hard surfaces which comprises the step of:
applying an effective amount of a composition according to claim 7 to the surface.

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Sub C5
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